



State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES

6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095
(603) 271-3406 FAX (603) 271-7894



October 21, 2002
Letter of Deficiency
DAM #106.03

Mrs. Douglas Woodward
Route 84 Kensington Road
Hampton Falls, NH 03844

RE: Hampton Falls River Dam II, Hampton Falls

Dear Mrs. Woodward:

The Department of Environmental Services, Dam Bureau (DES) consistently strives to enhance the safety of dams in New Hampshire through its dam safety program. One of the many instruments that plays a part in reaching this goal is our inspection program. DES is forwarding this correspondence to you to advise you that in accordance with RSA 482:12 and Env-Wr 502.02, an inspection of the subject dam was conducted on June 21, 2001 and June 4, 2002. During this visual inspection and/or file review, the following deficiencies were observed:

1. There was brush on the right abutment;
2. There was noted displacement of the masonry face on the left retaining wall;
3. Minor sinkholes were noted on the crest of the left embankment, adjacent to the retaining wall;
4. It is unclear whether the outlet on the right end of the dam is operable;
5. There were at least two active leaks noted in the downstream face of the stone spillway;
6. The low level gate has not been operated since the 1970's;
7. There was no operation and maintenance plan (O&M) on file with the DES; and
8. The dam cannot pass the design storm event with one foot of freeboard.

DES believes that the above deficiencies can be corrected by performing the following items by the indicated schedule:

December 31, 2002:

1. Remove the brush along the right abutment of the dam, within 10 feet of the end of the dam;
2. Repair the minor sinkhole noted on the crest of the left embankment, adjacent to the retaining wall;
3. Complete an O&M plan for the dam. Refer to the enclosed guidelines;

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September 30, 2003:

4. Render the low level outlet operable;
5. Investigate the operability of the outlet through the right embankment;
6. Investigate a method to increase the discharge capacity of the dam such that the design storm event can pass with one foot of freeboard or show that the dam is stable during the design storm event (50-year storm); and

On a continuing basis:

7. Monitor the noted displacement of the masonry face on the left retaining wall;

As a result of our site inspection as well as a file review of this dam DES has determined that the hazard classification of this structure has changed from a non-menace AA to a minimum-hazard A dam. The inspections will remain on a 6 year schedule. You will be required to pay an annual dam registration fee of \$100.

DES is requesting that you complete and submit the attached "Intent to Complete Repairs" form, within 30 days of receipt of this letter, that will provide for correction of the identified deficiencies by the date(s) indicated above. If you believe changes to the items of work or dates are necessary, please make the changes directly on the form and provide a brief explanation. We have enclosed a self addressed stamped envelope for you to return this form.

Our intent in sending you this correspondence is to make you aware of items that DES believes warrant your attention to insure the continued safe operation of your dam. It is our hope that, through the submittal of the attached form and a commitment to keeping a well-maintained dam, you will voluntarily comply with the requested items of work. If we do not receive the intent form or a similarly adequate written reply, we will assume that you are in agreement with our findings and recommendations and DES will carry out follow-up inspections accordingly.

If you have any questions or comments regarding this Letter of Deficiency or would like to be present at future inspections, please contact me at 271-3406, or write to the Water Division at the address listed on the top of the previous page.

Sincerely,

COPY
Grace E. Levergood, P.E.
Dam Safety Engineer

Attachments Guideline for an O&M plan, DB8, DB13
cc: Gretchen Rule

Town of Hampton Falls

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